First and Final Bill.

M. A. R. 57 (Rule 116) **No. E** 558929

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work		Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of work : Improvements to roads and drains in Tataragaa, Devinagara and surrounding areas in ward No. 08, Kodigehalli.						
	Name of Ageney : K. M. Nagesh.						
	Job Code No : 008-22-000003						
	Work order No : BBMP/EE/BTP/WO/60/2021-22 dated: 18.03.2022						
	Estimate Cost : Rs = 100.00 Lakhs						
	Measurement recorded on: 31.05.2022						
	Item No: Earthwork excavation by manual means for roads, drains and similar works in ordinary soil excavated surface levelled and sides neatly dressed, the						

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MEASUREMENT BOOK

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
disposed earth to be levelled neatly after breaking of clods Complete as per specifications. (e bill page no 1-2)					952.44 Cum	
				@TR	215.28	= 205041.28/-
Item No: 2 Providing and laying in position plain Cement Concrete of mix 1:3:6 with OPC Cement @ 220kgs, with 40mm and down size graded granite metal Coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum machi mixed, Concrete laid in layers not exceeding 15cms thick, well Compacted, in foundation including Cost of all materials, labour, HOM of machinery, curing Complete as per Specifications. (e bill page no-2)					126.78 cum	
				@TR	5989.25	= 759317.11/-

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M. A. R. 57 (Rule 116)
Measurement Book

No. E 558930

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions			Contents	Reference to last Measurement
			Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No: 3 Providing TMT /Fe 500 steel reinforcement for RCC work including straightening, Cutting, bending, hooking, placing in position, lapping and/or welding wherever required, Tying with binding wire and anchoring to the adjoining members wherever necessary Complete as per design (laps, hooks and wastage shall not be measured and paid) Cost of materials, labour, HOM Complete as per specifications. (e bill page no 3 to 4)					15.81 MT @TR 90596.08 = 1432324.02/-	
	Item No: 4 Providing laying plain/reinforced Cement Concrete for Box drain walls of thickness 10cm to 20cm including Centering, shuttering form work etc Complete as per approved drawing and design MORTH Specification No. 1500, 1700, 2200						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	PCC M20 grade upto 0.75m height using Concrete mixture. (e bill page no. 3 to 4)					280.91 cum @TR 7729.60	= 2171341.59/-
	Item No:5 Supplying and fixing precast reinforced Concrete slab 10cm thick of M20 using 29mm and downsize graded metal using reinforcements 10mm dia at 150mm c/c bothways cost, transportation, hire charges of machinery machine cutting, the vertical face to get plain even surface etc, Complete with all leads and lifts Conveyance charges, labour charges, inclusive of all Cost. (e bill page no. 4 to 5)					679.01 Sqm @TR 2337.00	= 1586846.37/-

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M. A. R. 57 (Rule 116) **No. E**

Measurement Book

558931

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No: 6 Providing and laying precast drain cover slab of 250mm thick of M20 using 20mm and downsize graded metal using reinforcements including form work, lift charges, curing and concrete finished surface on both sides etc, complete as per drawing and directions of Engineer-in-charge (e bill page no. 5)					38.88 cum. @TR 5418.00	= 210651.84/-
	Item No: 7 Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kgs, with 20mm and downsize graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms thick well compacted, in foundation, plinth						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. (e bill page no. 4)					7.40 / Cum	
					@TR	6274.89	= 46434.18/-
	Item No: 8 Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165mm respectively 400mm high, 450mm in length finished with CM 1:3 plastering and finishing cutting including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc complete. (e bill page no. 6)					822.00 / Cum.	
					@TR	432.48	= 355498.56/-

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M. A. R. 57 (Rule 116) **No. E**

Measurement Book

558932

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No: 9 Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications - with primer.						
	← bill page no. 8				129.46	129.47	Sqm. 12350.48
					@TR	95.40 =	12351.43 | -
	Item No: 10 Excavation of road work in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes in accordance with requirements of lines, grade and cross section and transportation						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	with a lead of 5km and Complete as per Specifications. (e bill page no. 5)					188.25 Cum. @TR 63.94 = 12036.70/-	
	Item No.11 Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes powder roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery Complete as per Specifications. (e bill page no. 5)					627.50 Sqm. @TR 6.36 = 3990.90/-	
	Item No:12 Providing, laying, Spreading and Compacting crushed stone aggregates of granite/trap/basalt to wet mix macadam Specifications including pre-						

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M. A. R. 57 (Rule 116) **No. E**

Measurement Book

558933

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	mixing the material with water at OMC in mechanical mix plant Carriage of mixed method of tipper to site, laying in uniform layers with paver in Sub-base/base Course on well prepared Surface and Compacting with Vibratory roller to achieve the desired density Complete as per Specifications. (e bill page no. 5)					94.12 - Cum.	
					@TR	2001.28 =	188360.47/-
	Item NO:13 Cleaning the existing black topped Surface with brooms, Soft brushes and finally dusting with old gunny bags and/or Compressed air to receive bituminous treatment including cost of all materials, labour, Hire of macheneiries Complete as per Specifications.						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						2725.00 Sqm.	
					@TR	5.30	= 14442.50/-
	Item NO:14 Providing and applying primer coat with S.S. bitumen emulsi on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60kg/sqm usin mechanical means complete as per specifications. (e bill page No 6)						
						627.50 Sqm.	
					@TR	33.92	= 21284.80/-
	Item NO:15 Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base/binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix pla						

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M. A. R. 57 (Rule 116) **No. E**

Measurement Book

558934

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, but excluding cost of primer/ tack coat including lead, lift and cost of all materials, labour, HOM of machineries complete as per specifications. MORTH/Chapter 5 - Using 40/60 TPH Capacity H.M.P. with mechanical paver Gr-II (50 mm to 75mm) with 3.3% VG-30 Bitumen. (e bill page No - 15)					49.08 Cum. @TR 8545.72 = 419423.93/-	
	Item NO:16 Providing and applying tack coat using 80/100 grade bitumen (VG 10) on the prepared black topped surfaces at 2.5 kg per 10 sq.m.						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all material, labour, HOM of machinery Complete as per specifications. (e bill page no. 16)					3079.00 Sqm. @TR 12.12	= 39164.88/-
	Item No:17 Providing and laying bituminous Concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specifi-cation Clause No. 500.9 Complete in all respects Complete as per specificatio						

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M. A. R. 57 (Rule 116) **No. E**

Measurement Book

558935

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	MORTH Specification No 509- using 40/60 TPH Capacity H.M.P. with mechanical paver Gr-II (30 mm to 45mm) with 6% VG-30 Bitumen. (e bill page No. 6 to 7)					123.16 Cum	
					@TR	10001.10	= 1231735.47/-
	Item No: 18 Road marking with Hot Applied Thermoplastic Compound with reflectorising glass Beads on Bituminous surface: Providing and laying of hot applied thermoplastic Compound 2.5mm thick including reflectorising glass beads at 250 gms per Sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes Complete as per						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Specifications. (e bill page no - 7)					94.75	Sqm.
					@TR	454.74 =	43086.61/-
				Grand Total =			8753332.64/-
						Round off	8753331.64
							8750000.00
						GST 12%	1050000.00
						total =	9800000.00

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

31/5/22

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M. A. R. 57 (Rule 116) **No. E**

Measurement Book

558936

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Certificate:						
	* Certified that the work done Satisfactorily.						
	* Certified that there are no departmental issues.						
	* Certified that the debris removed from work spot.						
	Assistant Executive Engineer Kodigehalli Sub Division BBMP, Bangalore						
	(Contractor)						

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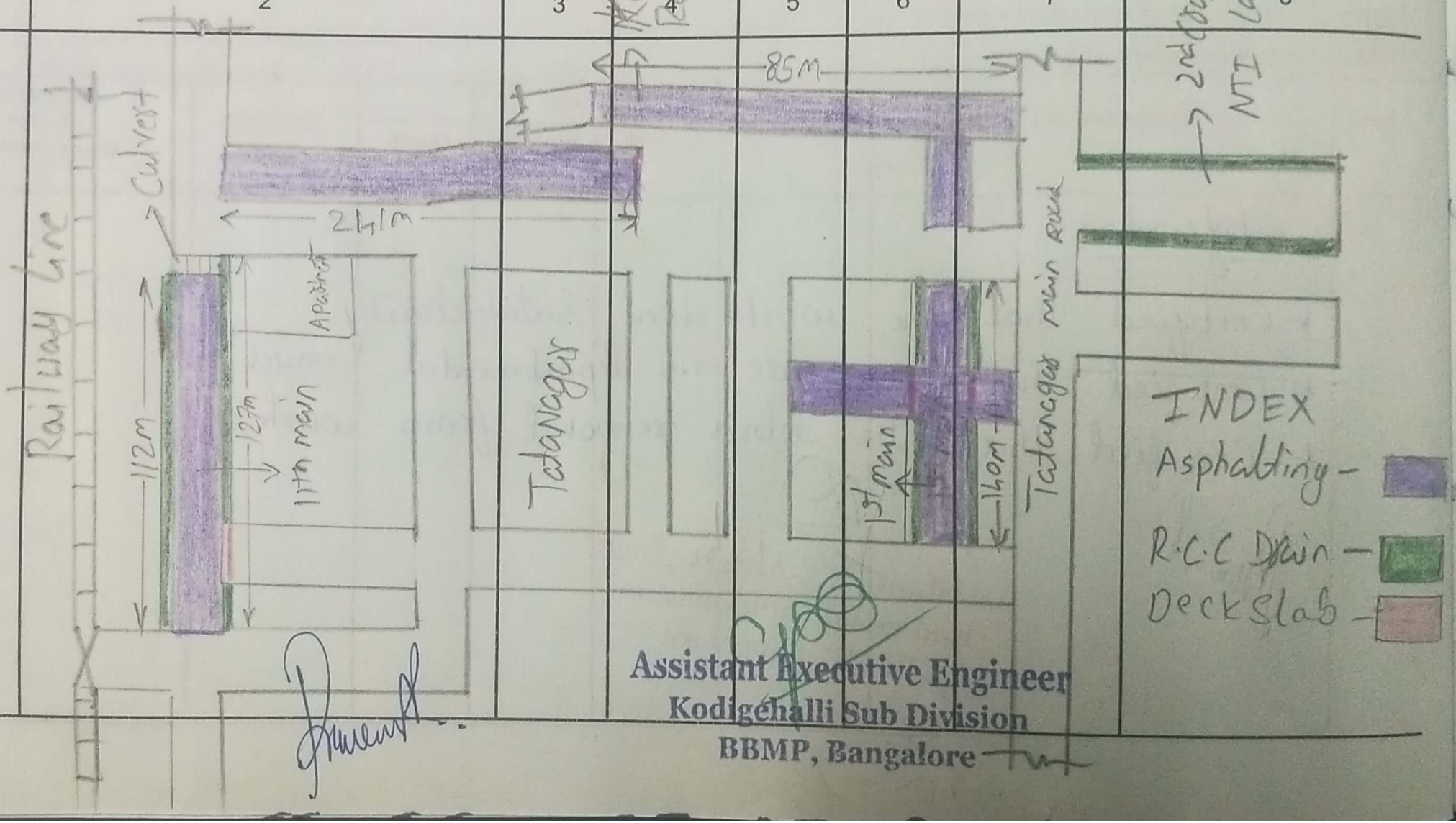
MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

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1st & final

M. A. R. 57 (Rule 116)
Measurement Book

No. E 558937

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions Length	Dimensions Breadth	Dimensions Depth	Contents	Reference to last Measurement
1	P 3075 2	3	4	5	6	7	8
	ಲೆಕ್ಕಶೀರ್ಷಿಕೆ Special Comprehensive Development ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ. 9800000/ ಗಳನ್ನು ಪಾಸು ಮಾಡಿದೆ ಇದ್ದು ರೂ. 452000/= ಗಳನ್ನು ಹೊಂದಾಣಿಕೆ ಮಾಡಿ ಕಳಿಯ ರೂ. 9348000/= ಗಳನ್ನು		TTB	98000000.00			
			It	87500.00			
			CGST	87500.00			
			SGST	87500.00			
			Cess	87500.00			
			CBF	8750.00			
			LR	93250.00			
			Ded.	452000.00			
			Net payable	9348000.00			

FT/NEFT/RTGS ಮೂಲಕ ಪಾವತಿಸಿದೆ

ವಿಷಯ ನಿರ್ವಾಹಕರು 1/7/23

ಲೆಕ್ಕಶೀರ್ಷಿಕೆರು ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ ಬೃ.ಬೆ.ಮ.ಪಾ. ಬೆಂಗಳೂರು 1/7/23

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ ಬೃ.ಬೆ.ಮ.ಪಾ. ಬೆಂಗಳೂರು 1/7

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